ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1542 MHz Balanced RF Saw Filter

Part Number: AM1542S1079

ISO 9001 REGISTERED FIRM

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1542.0	-
Max Insertion Loss within 1525 ~ 1559 MHz	dB	-	3.0	4.35
Amplitude Ripple within 1525 ~ 1559 MHz	dB_{p-p}	-	0.6	1.5
Input/Output VSWR within 1525 ~ 1559 MHz	-	-	1.7	2.2
Attenuation:				
DC ~ 1000.0 MHz	dB	50	60	-
1000.0 ~ 1480.0 MHz	dB	37	50	-
1480.0 ~ 1490.0 MHz	dB	20	42	-
1575.0 MHz	dB	2	10	-
1600.0 ~ 1650.0 MHz	dB	20	30	-
1650.0 ~ 1785.0 MHz	dB	35	43	-
1785.0 ~ 2200.0 MHz	dB	33	50	-
2200.0 ~ 2500.0 MHz	dB	28	45	-
2500.0 ~ 4000.0 MHz	dB	20	30	-

Maximum Ratings:

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
Source Impedance (Single Ended)$_1$	Ω	-	50	-
Load Impedance (Balanced Ended)$_1$	Ω	-	50	-
Package Size and Type	3.0 x 3.0 x 1.3 mm M1			

Notes: (1) No Matching Network

70 Outwater Lane **Phone: (973) 772-4242**
Garfield, NJ 07026 **Fax : (973) 772-4646**
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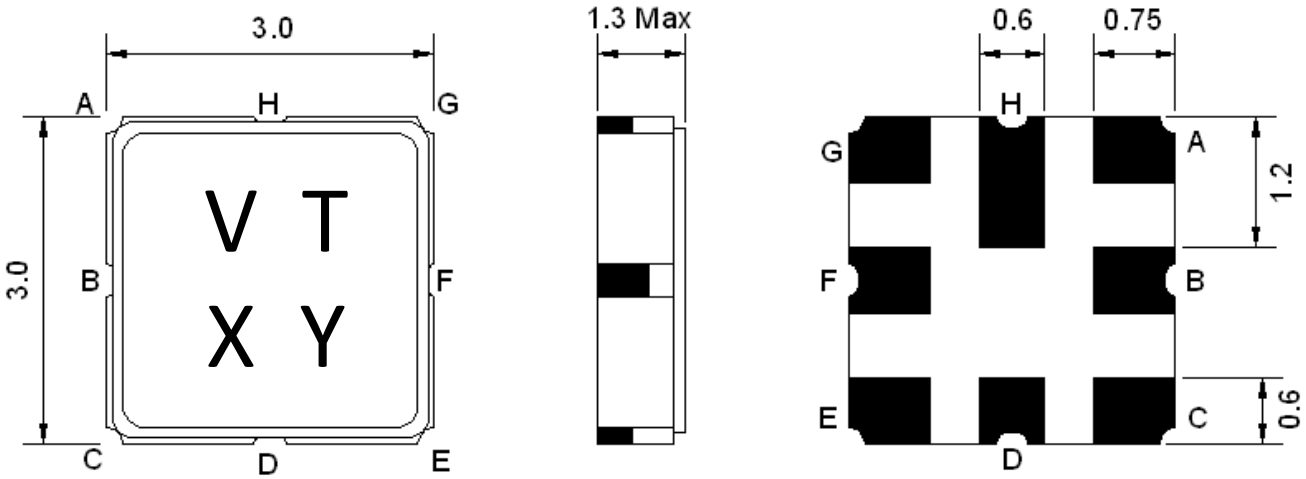
Outline Drawing:



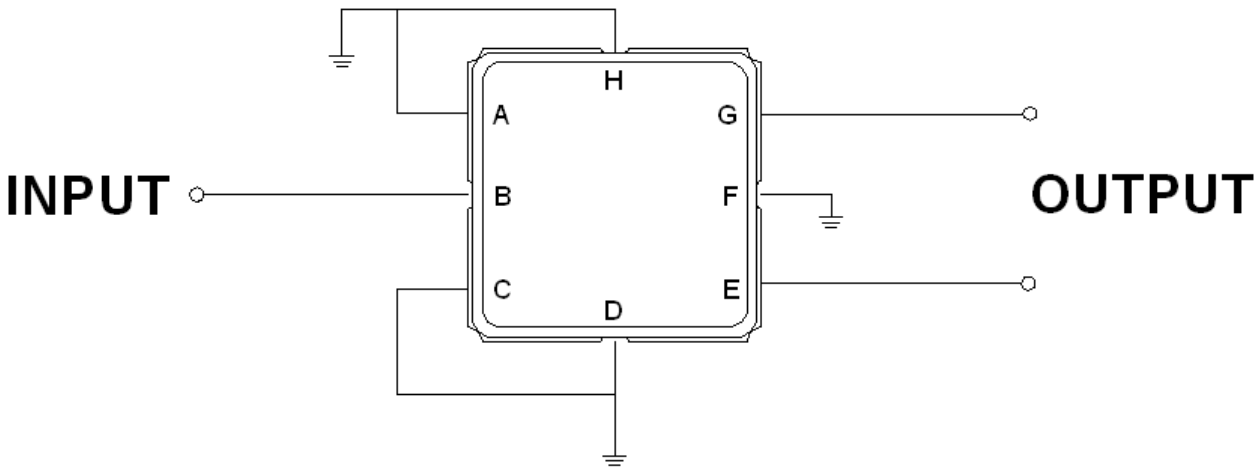
Marking Description:

Wireless Application – V
Series Number – T
Date Code (Year) – X
Date Code (Month) - Y

Pin Description:

Ground – A C D F H
Input – B
Output – E G

Testing Environment:



Source/Load Impedance: 50 Ω

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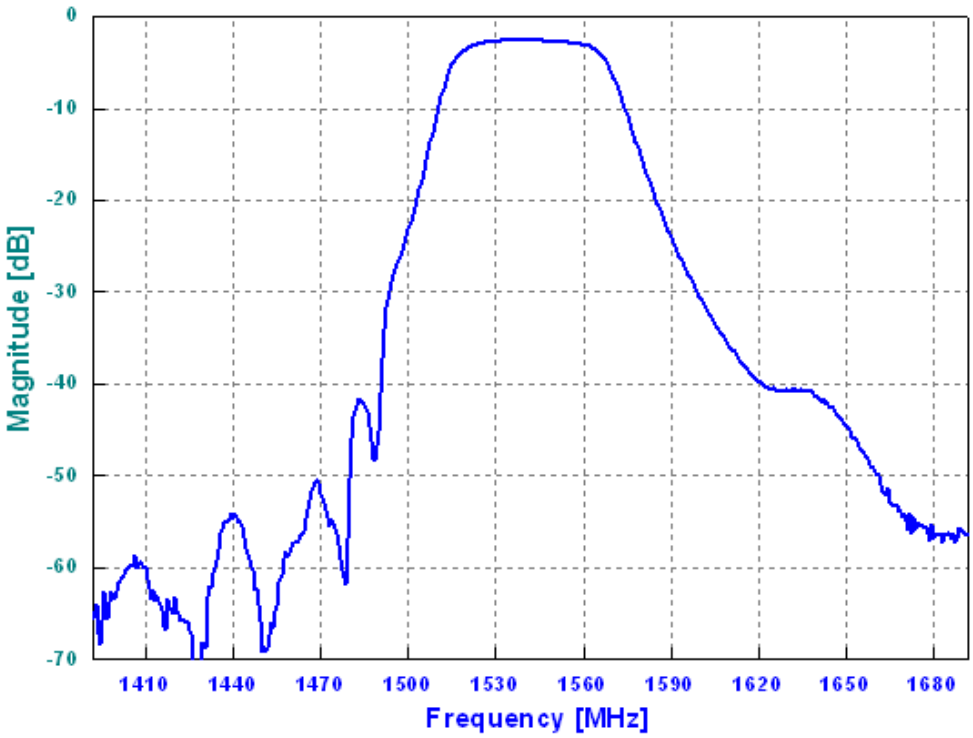
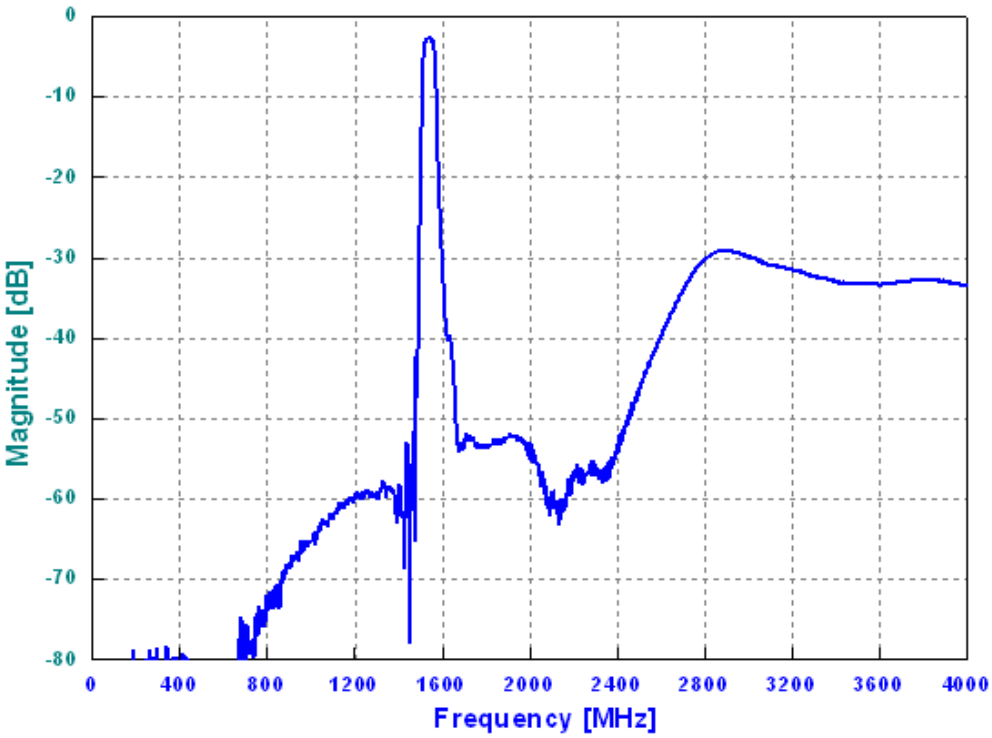
Frequency Response:





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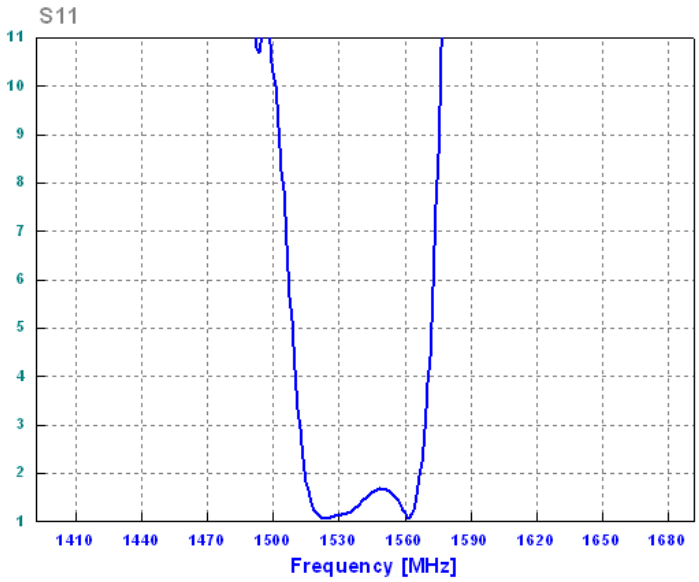
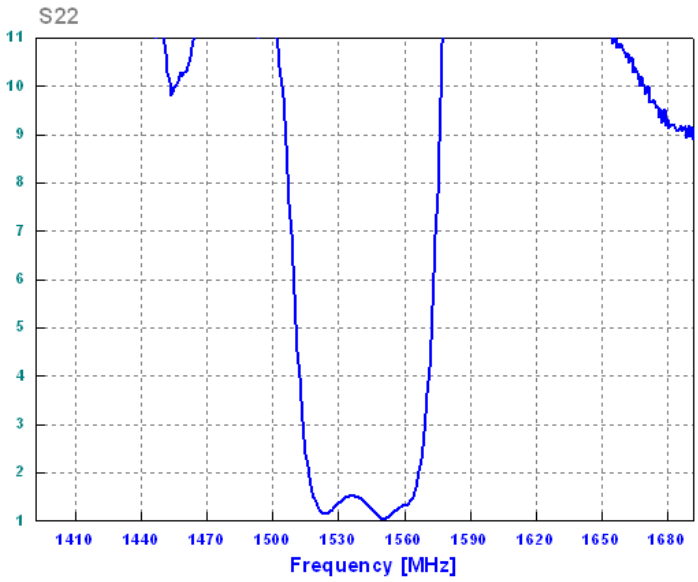
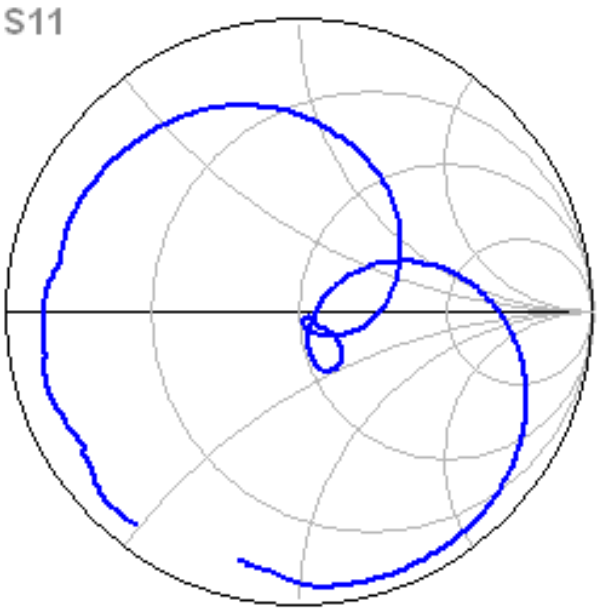
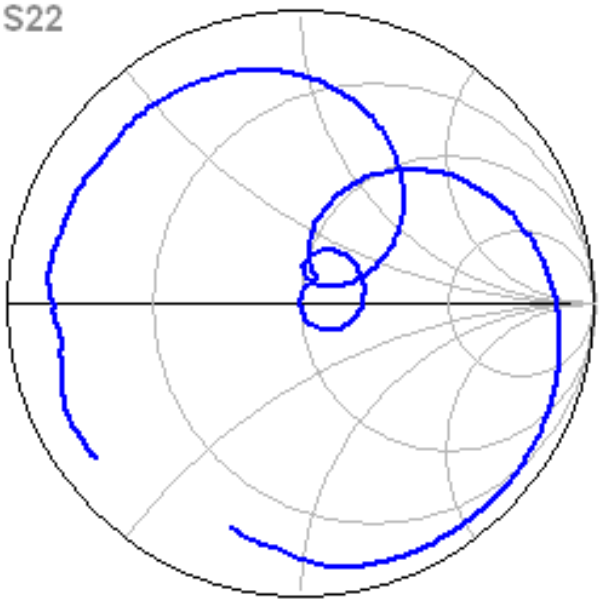
VSWR:





Smith Chart:





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